Electronic Acknowledgement Receipt		
EFS ID:	5503846	
Application Number:	10618227	
International Application Number:		
Confirmation Number:	4405	
Title of Invention:	Channel estimation method and apparatus using fast fourier transforms	
First Named Inventor/Applicant Name:	Jung-Lin Pan	
Customer Number:	24374	
Filer:	Steven J. Gelman/Dawn Larsen	
Filer Authorized By:	Steven J. Gelman	
Attorney Docket Number:	I-2-0456.1US	
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Time Stamp:	10:06:32	
Application Type:	Utility under 35 USC 111(a)	

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		y.PDF	20090612_I_2_0456_1US_Repl 134466	ves	7
'			adb66dc8a7130c3c7a2c545d3baaab51917 057ad	1 1	

	Multipart Description/PDF files in .zip description			
	Document Description	Start	End	
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1	
	Claims	2	4	
	Applicant Arguments/Remarks Made in an Amendment	5	7	
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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.